Met Office Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 06:00 on Sunday 17 Sep 2023 until 23:59 on Monday 18 Sep 2023

Forecast Issued on Sunday 17 Sep 2023 at 00:56

Confidence: High for the unsettled theme on Sunday, but only moderate for cloud and the timing of heaviest rain. High again for more persistent rain Monday clearing to sunshine and showers later that day. Moderate for the persistent rain and strong winds Tuesday and into Wednesday, but confidence then becoming low for any details Thursday onward.

Headline for Sunday 17 Sep 2023: Cloudy with early outbreaks of drizzle only gradually easing. Further heavy rain spreading north towards midnight.

Mountain weather hazards on Sunday 17 Sep 2023

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
No Likelihood

Severe chill effect
No Likelihood

Poor visibility
Medium Likelihood

Thunderstorms
Low Likelihood

Heavy persistent rain
Low Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
FOG	FOG				
Fog	Fog	Cloudy	Cloudy	Cloudy	Heavy Rain
Precipitation probability					
30%	30%	20%	20%	40%	60%

Forecast for Sunday 17 Sep 2023

Weather: Cloudy with outbreaks of drizzle through the morning, most persistent across eastern hills, but easing away into the afternoon. Some drier intervals possible for a time. Showers then spreading north during the evening, with a chance of heavy rain and thunder.

Chance of cloud-free hill tops above 600m: 20% during the morning, becoming 90% during the afternoon before falling again to 30% after dark.

Low Cloud and visibility: Widespread cloud above 500m for much of the morning, with some patches of cloud down to 300m in the east. Cloud lifting into the afternoon, to be largely above summits. Further widespread low cloud spreading north after dark, base around 500m. Good visibility likely outside of cloud, but falling to poor at times during heavy rain.

Check our weather forecast every day to get the most accurate and up to date information
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Forecast for Sunday 17 Sep 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	12/19 E	15/21 E	16/23 E	17/24 E	15/23 E	15/23 E	14/21 E
300	11/22 E	11/22 E	11/21 E	12/23 E	10/22 E	10/21 E	10/21 E
Valley	7/18 E	10/21 E	12/23 E	11/23 E	10/23 E	11/25 E	10/22 E

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	11/8	11/8	12/10	13/10	12/9	11/8	12/9
300	13/10	14/12	16/14	16/14	14/13	14/12	14/12
Valley	14/13	16/14	17/15	18/16	16/14	15/13	15/13
Freezing Level*	3000m	3000m	3000m	2900m	2900m	2900m	3000m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Driest weather expected during the afternoon, however some slight rain remains possible throughout.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Sun 17 Sep 2023	0mm	1.4mm	7.8mm

Forecast for Monday 18 Sep 2023

Weather: Heavy showers and thunderstorms during the morning will likely merge with a band of heavy rain forecast to spread east late morning. This soon clearing to sunny spells during the afternoon. Further showers following, heavy and with thunder at times, but moving quickly through on the strong westerly breeze, allowing some sunny spells during the afternoon. Feeling cold at height with strong winds.

Maximum wind: Westerly 25-30mph with 35-45 mph gusts

Chance of cloud-free hill tops above 600m: 20% during the morning, rising to 90% during the afternoon.

Low Cloud and visibility: Widespread cloud base 300-400m at first, lifting towards 600-700m by midday and clearing most summits early afternoon. The odd patch of cloud returning above 700m during any showers. Moderate to poor visibility in rain during the morning, but improving to be very good later in the day, especially away from any showers which will briefly limit views of distant hills.

Temperature: **Valleys:** Plus 14 Celsius rising to Plus 18 Celsius
At 600m: Plus 12 Celsius.
Freezing level: Above summits.

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